

Sony Confidential

INVENTION DISCLOSURE FORM

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Note: Detailed instructions for completing this form can be found in Appendix V of Sony's Patent Guide for Engineers and Inventors.

I. IDENTIFICATION

(IPD use only)

IPD Case #:

5075709**1a. Short Descriptive Title of the Invention:**Batch Mode Session-Based Encryption of Video on Demand Content**1b. Short Summary of the Invention:**

This invention provides a method for providing video on demand content encrypted using multiple different conditional access methods without the overhead of storing multiple copies of the content. It also solves the issue of providing "trick modes" (Fast Forward, Rewind, etc) using pre-encrypted content. This method reduces by a factor of 60 the equipment required to provide session based encryption to a large-scale deployment when compared to other topologies.

2. Name of Responsible Patent Coordinator (if any): Ana ReyesBusiness Address: 16450 W. Bernardo Drive, MZ 7340, San Diego, CA 92127Business Phone/Fax: (858) 942-2793/(858) 942-9000Business Email Address: Ana.Reyes@am.sony.com**3. Identify all persons who contributed to the present invention including persons from other Sony Divisions, Sony Japan and Outside Companies. Final determination of inventorship is a legal question which will be resolved at a later time.**

(1)

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☒ Sony Employee ► Intern ► Contractor/Consultant ► Temp. ► Other:

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(3)

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Home Address:	
Citizenship:	(If Japanese, please provide name in Kanji)
Business Address (include mail drop):	
Business Phone/Fax:	/
Business Email Address:	
Division / Company / Location:	/ /
<input type="checkbox"/> Sony Employee <input type="checkbox"/> Intern <input type="checkbox"/> Contractor/Consultant <input type="checkbox"/> Temp. <input type="checkbox"/> Other :	
Manager's Name:	
Business Address:	
Business Phone/Fax:	/
Business Email Address:	

(4)

Full Legal Name:	N/A
Home Address:	
Citizenship:	(If Japanese, please provide name in Kanji)
Business Address (include mail drop):	
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Business Email Address:	
Division / Company / Location:	/ /
<input type="checkbox"/> Sony Employee <input type="checkbox"/> Intern <input type="checkbox"/> Contractor/Consultant <input type="checkbox"/> Temp. <input type="checkbox"/> Other :	
Manager's Name:	
Business Address:	
Business Phone/Fax:	/
Business Email Address:	

(Use Additional Inventors sheet if necessary)

II. BACKGROUND INFORMATION

- Do you believe this invention was developed while working under or in the performance of experimental, developmental or research work called for by a Government Contract or upon the understanding that a Government Contract would be awarded?
☒ NO ☐ YES
- Has your invention been disclosed to anyone outside of Sony in a speech, exhibit, presentation, product, product manual, report, lecture, trade show, technical article, publication or otherwise?
☐ NO ☒ YES
- Is this invention related to any previous Sony Invention Disclosures of which you are aware (made by you or someone else)?
☒ NO ☐ YES
- If you responded "YES" to any of questions 1-3, please explain below:
 This invention was disclosed to engineers and senior management from the ██████████ Corporation on August 11, 2003 in a document describing in detail the operation of the technology. The information was supplied under an existing NDA with Sony with respect to the Passage project and the document contained Sony proprietary rights statements as well as "confidential" security markings.

5. Name of product(s) or project(s) for which this invention was developed:

Passage project

6. When do you expect a product incorporating this invention to be sold, offered for sale or shown to someone outside of Sony? (If a product or prototype has already been sold, offered for sale or shown, please identify the earliest date this happened.): Integration of a system employing this technology is anticipated occurring by 12/03.

7. Has a working model of the invention been built and tested (or appropriate software been written)?

► ☒ NO ► YES

If yes, who has witnessed a demonstration, and when?

8. List below any patents, publications, articles, texts, products, etc. which describe technology similar to your invention including reference material which may be useful in understanding the background technology of your invention: (Include a copy of each item to IPD. Please include copies of all bibliographical information.)

III. DESCRIPTION OF THE INVENTION

Provide a concise technical description of your invention in the format outlined below on the following pages.

- 1: Explain the problems, issues or needs which led to the invention, and explain how others have addressed these problems, issues or needs.

See Attached

- 2: Describe your invention in terms of how it solves the problems described in paragraph 1. Specifically identify the new or novel features of your invention. Describe the construction and operation of the invention including drawings (flow charts, schematics, block diagrams, mechanical drawings, photographs, etc.) You may attach documentation in the form of letters, memos, engineering notebook pages, etc. if available, or you may use as many invention disclosure data sheets as necessary. Be sure each page is signed, dated and witnessed.

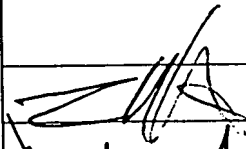
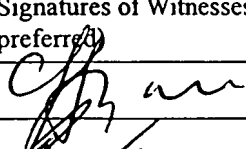
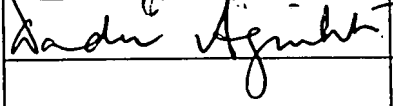
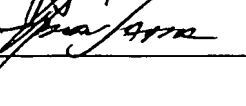
See Attached

- 3: If there is more than one way to implement your invention, describe the "Best Mode" or your personal preference as to how to best implement, build, produce, or use your invention (e.g. preferred parts, materials, techniques, etc. which you feel are best in practicing your invention). Each submitter's opinion is important here, even if there is disagreement. Please list anything you think will make the invention better in any way.

See Attached

- 4: Briefly describe any alternate uses, variations or modifications of your invention, if any, which you contemplate.

See Attached

Signature of Submitter(s)			Read and understood by: Signatures of Witnesses (at least two witnesses preferred)		
	Date	9/3/03		Date	9/3/03
	Date	9/3/03		Date	9/3/03
	Date			Date	
	Date			Date	